

REMARKS

Upon entry of the amendment, claims 14-34 will be pending, claims 1-13 having been canceled and new claims 14-34 having been added. Support for the amendment can be found throughout the specification and in the claims as originally filed. For example, support for new claim 14 can be found, *e.g.*, at page 2, lines 21-30, and at page 13, lines 2-6. Support for new claim 15 can be found, *e.g.*, at page 8, lines 1-6. Support for new claims 16, 24 and 27 can be found, *e.g.*, at page 6, lines 29-30. Support for new claims 17-20, 28, and 29 can be found, *e.g.*, at page 8 in the second table. Support for new claims 21, 26 and 27 can be found, *e.g.*, at page 12, line 18, to page 13, line 1. Support for new claims 22, 32, 33, and 34 can be found, *e.g.*, at page 2, line 21, to page 3, line 6, and at page 4, lines 17-19. Support for new claims 23 and 30 can be found, *e.g.*, at page 7, lines 19-22. Support for new claim 25 can be found, *e.g.*, at page 2, lines 1-4; page 7, lines 8-9; and in original claim 2. Support for new claim 31 can be found, *e.g.*, at page 11, line 24, to page 12, line 3, and in original claim 7.

Applicant elects the invention of Group I (new claim 25, corresponding to original claim 2, now canceled) and further elects position 1513 of SEQ ID NO:2. Applicant understands that with this election, Examiner agrees to examine claim 25 as well as new claims 14-24 and 32-33 (albeit not new claim 34). Claims 14-24 and 32-34 are alternatives to original claim 1, which is canceled by the above amendment.

The election is made with traverse, to the extent that it requires election of a single polymorphism. The nucleotide polymorphisms listed in original claim 1 (and now in new claims 32-34) are all derived from the same gene, so that a single sequence search can be used to search for prior art. It therefore should not be an undue burden on the Office to search all of the polymorphisms in a single group, encompassing the full scope of claims 32-34. Applicant requests that the restriction requirement be withdrawn so that all of the present claims, including claim 34, can be examined across their entire scope.

Applicant also understands that new claim 22 links the claims of groups I, III and IV of the restriction requirement, and upon allowance of the linking claim, the restriction between groups I, III, and IV will be withdrawn, and any claims depending from or otherwise requiring all the limitations of the allowable linking claim will be rejoined and examined for patentability.

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Serial No. : 10/766,978
Filed : January 29, 2004
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Attorney's Docket No.: 06275-262002 /
AFG/100203-2US

New claim 31 falls in group III (method of performing a linkage study), and new claims 26-30 fall in group IV (methods of treatment).

Please apply the \$450 for the fee for a two month Petition for Extension of Time and the \$700 fee for excess claims, and any other necessary charges, or any credits, to Deposit Account No. 06-1050, referencing Attorney Docket No. 06275-262002.

Respectfully submitted,

Date: October 26, 2002

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DocNo 21462582